

Title (en)

METHOD AND APPARATUS FOR EFFICIENT ESTIMATION OF INTERFERENCE IN A WIRELESS RECEIVER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR EFFIZIENTEN SCHÄTZUNG VON STÖRUNGEN IN EINEM DRAHTLOSEN EMPFÄNGER

Title (fr)

PROCÉDÉ ET APPAREIL PERMETTANT UNE ESTIMATION EFFICACE DES INTERFÉRENCES DANS UN RÉCEPTEUR SANS FIL

Publication

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Application

EP 09757386 A 20090513

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Abstract (en)

[origin: WO2009147003A1] Methods and apparatus for determining an impairment covariance matrix for use in an interference-suppressing CDMA receiver are disclosed. In several of the disclosed embodiments, precise information regarding signal propagation delays is not needed. An exemplary method includes the selection of a plurality of processing delays for processing a received CDMA signal. Net channel coefficients for the processing delays are estimated and used to calculate an impairment covariance matrix. The impairment covariance matrix is calculated as a function of the estimated net channel coefficients and the processing delays, without estimating a propagation medium channel response for the received signal.

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